

CLAIMS

[1] A light emitting apparatus characterized by comprising:

a substrate on which light emitting elements are mounted;

a housing which has a front surface having different distances from said substrate;

light-emitting-element light guide components which are arranged at positions corresponding to the light emitting elements, and each of which includes a portion to-be-held in a sectional shape becoming smaller toward said substrate; and

a holding member which has holding holes adapted to fit the portions to-be-held thereinto, shapes of the holding holes being set so as to differ in accordance with the arrangements of said light-emitting-element light guide components in a light guide direction.

[2] A light emitting apparatus as defined in claim 1, characterized in that each of said portions to-be-held includes a plurality of stages, and that each of said holding holes has a size corresponding to any of the plurality of stages.

[3] A light emitting apparatus as defined in claim 2, characterized in that each of said light-emitting-element light guide components includes a base portion, a first stage portion and a second stage

portion whose sectional shapes become smaller toward said substrate, that the first stage portion and the second stage portion are provided in said portion to-be-held, that said holding member has a first holding hole which has a sectional dimension smaller than that of the base portion and larger than that of said first stage portion, and a second holding hole which has a sectional dimension smaller than that of said first stage portion and larger than that of said second stage portion, and that said first stage portion fits into the first holding hole, while said second stage portion fits into the second holding hole.

[4] A light emitting apparatus as defined in claim 1, characterized in that each of said portions to-be-held includes a taper portion, and that each of said holding holes has a shape in which it is held in touch with the taper portion when the light-emitting-element light guide component lies at a predetermined position.

[5] A light emitting apparatus as defined in claim 4, characterized in that each of said light-emitting-element light guide components includes a base portion, a first taper portion and a second taper portion whose sectional shapes become smaller toward said substrate, that the first taper portion and the second taper portion are provided in said taper

portion, that said holding member has a first holding hole which has a sectional dimension smaller than that of the base portion and larger than that of said second taper portion, and a second holding hole which has a sectional dimension smaller than that of said first taper portion, and that said first taper portion fits into the first holding hole, while said second taper portion fits into the second holding hole.

[6] A light emitting apparatus as defined in claim 1, characterized in that light emission quantities of the light emitting elements are set so as to differ in accordance with the arrangements of said light-emitting-element light guide components in the light guide direction.

[7] A light emitting apparatus as defined in claim 1, characterized in that the arrangements of the light emitting elements in the light guide direction are set so as to differ in accordance with the arrangements of said light-emitting-element light guide components in the light guide direction.